

**BCT Meeting Agenda  
May 24, 2005, 1000 - 1500  
Tetra Tech Office, 135 Main Street, Suite 1800  
San Francisco, CA**

- 1000 New Navy Business (Patrick Brooks)**
- New business
  - Next BCT meeting and review of upcoming meetings
- 1010 Action Item List Review (Patrick Brooks)**
- 1015 Landfill Gas Update (Andrew Baughman)**
- 1030 Parcel E Shoreline Removal Action Update (group discussion)**
- Metal Reef
  - Metal Slag
  - IR-O2 Northwest and Central
  - PCB Hot Spot
- 1230 Lunch**
- 1330 RU C5 GW Investigation/Planning (group discussion)**
- 1430 Document Review Matrix (Patrick Brooks)**
- 1445 Review Action Items (Patrick Brooks)**
- 1500 Adjourn**

# Hunters Point Shipyard Calendar

## MAY 2005

<i><b>SUN</b></i>	<i><b>MON</b></i>	<i><b>TUE</b></i>	<i><b>WED</b></i>	<i><b>THU</b></i>	<i><b>FRI</b></i>	<i><b>SAT</b></i>
<b>1</b>	<b>2</b>	<b>3</b> Economic Subcommittee Meeting 2:30-4:30 1715 Yosemite Avenue, San Francisco 94124	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b> MBCO Subcommittee Meeting 6:30-8:00 p.m. Anna Waden Library, 5075 Third Street, San Francisco 94124	<b>12</b> Southeast Community Facility Commission – HPS Update 1800 Oakdale Avenue, SF 6:00-8:00 pm  Kickoff Meeting Parcel E and E-2 Removal Actions	<b>13</b>	<b>14</b>
<b>15</b>	<b>16</b>	<b>17</b> Begin excavation at PCB Hotspots	<b>18</b> Technical Subcommittee Meeting 6:30 p.m. Southeast Community College Room #203 1800 Oakdale Ave, San Francisco, CA 94124	<b>19</b>	<b>20</b>	<b>21</b>
<b>22</b>	<b>23</b>	<b>24</b> Begin excavation of PCB hotspots BCT Meeting 10-3 TrEMI 135 Main Street, Suite 1800 San Francisco 94105 Lowman RAD/Risk Review Subcommittee 3-5 Anna Waden Library, 5075 Third Street, San Francisco 94124	<b>25</b> RAB Meeting 6-8:00 Dago Mary's Building 916 San Francisco 94125	<b>26</b>	<b>27</b>	<b>28</b>
<b>29</b>	<b>30</b> Memorial Day	<b>31</b> Begin excavation at IR-02 Northwest/Central	<b>Notes:</b> BCT: Base Realignment and Closure Cleanup Team MBCO: Membership Bylaws and Community Outreach PCB: Polychlorinated Biphenyl RAB: Restoration Advisory Board RAD: Radiological TrEMI: Tetra Tech EM Inc.			

# Hunters Point Shipyard Calendar

## JUNE 2005

<i>SUN</i>	<i>MON</i>	<i>TUE</i>	<i>WED</i>	<i>THU</i>	<i>FRI</i>	<i>SAT</i>
<b>Notes:</b> BCT: Base Realignment and Closure Cleanup Team RAB: Restoration Advisory Board TtEMI: Tetra Tech EM Inc.			<b>1</b> Begin Metal Reef/Metal Slag Silt Curtin Installation	<b>2</b>	<b>3</b>	<b>4</b>
<b>5</b>	<b>6</b>	<b>7</b> Begin excavation at Metal Reef/Metal Slag Areas  Removal action kick off meeting 10am TTECI Trailer HPS, San Francisco 94124	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
<b>19</b>	<b>20</b>	<b>21</b> BCT Meeting 10-3 TtEMI 135 Main Street, Suite 1800 San Francisco 94105 Lowman RAD/Risk Review Subcommittee 3-5 Anna Waden Library, 5075 Third Street, San Francisco 94124	<b>22</b> Final RAB Meeting at 6-8:00 Dago Mary's Building 916 San Francisco 94125	<b>23</b>	<b>24</b>	<b>25</b>
<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>Notes:</b>	

# Hunters Point Shipyard Calendar

## JULY 2005

<i>SUN</i>	<i>MON</i>	<i>TUE</i>	<i>WED</i>	<i>THU</i>	<i>FRI</i>	<i>SAT</i>
<b>Notes:</b> BCT: Base Realignment and Closure Cleanup Team RAB: Restoration Advisory Board TtEMI: Tetra Tech EM Inc.					1	2
3	4 Independence Day	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26 BCT Meeting 10-3 TtEMI 135 Main Street, Suite 1800 San Francisco 94105 Lowman RAD/Risk Review Subcommittee 3-5 Anna Waden Library, 5075 Third Street, San Francisco 94124	27	28 Tentative RAB Meeting 6-8:00 Alex Pitcher Room Southeast Community College 1800 Oakdale Ave. San Francisco 94125	29	30
31						

## ATTACHMENT B

### HUNTERS POINT SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM ACTION ITEMS

Action	Date Identified	Responsible Party	Date Due	Date Accomplished	Notes
<b>Basewide:</b> Revisit the RAMP as part of the annual groundwater report. Review comments on the Basewide Groundwater monitoring plan prior to making recommendations for next year's sampling.	22-Feb-05	Patrick Brooks (Navy)	May 2005	June 14	Complete.
<b>Parcel B:</b> Provide scheduled date for beginning of phase II sampling at IR07 and IR18 to BCT.	26-April-05	Ryan Ahlersmeyer (Navy)	May 2005	18-May-05	Complete.
<b>Parcel B:</b> Discuss possible additional actions associated with exceedance of RAMP trigger levels.	July 2004	Patrick Brooks (Navy) Glenn Christensen (Navy) Jim Ponton (Water Board)	Spring 2005		Postponed pending completion of annual groundwater monitoring report, which is currently being prepared.
<b>Parcel C:</b> Resend boring logs for IR25MW-54A and IR25MW-53A to BCT.	26-April-05	Glenn Christensen (Navy)	May 2005	May 2005	Complete.
<b>Parcel C:</b> Send a summary of analytical results from Dry Dock 4 caisson water sampling to EPA.	26-April-05	Patrick Brooks (Navy)	May 2005	May 2005	Complete.
<b>Parcel D:</b> Remind the BCT of the rationale for "the notch" in Parcel D/E boundary and indicate the basis of that rationale - a groundwater, soil, or building issue?	22-Mar-05	Patrick Brooks (Navy)	May 2005		The Notch is part of IR-36 based on building 404A, a covered parking area, which is a suspected chemical storage area (propane and ACM).

**ATTACHMENT B****HUNTERS POINT SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM ACTION ITEMS (Continued)**

Action	Date Identified	Responsible Party	Date Due	Date Accomplished	Notes
Parcel E: Provide schedule dates for removal action kick-off meetings to BCT.	26-April-05	Patrick Brooks (Navy)	May 2005		Anticipated date is June 7 <sup>th</sup> .
Parcel E: Explore possible surface seeps of free product at other bases in the area.	26-April-05	Patrick Brooks (Navy)	May 2005		Man-made surface seeps present at Alameda from fill placed on top of free product.
Parcel E: Revise the PCB Hot Spot workplan to include deeper test pits that are more likely to locate free product and share revised maps and language from the workplan with DTSC.	26-April	Patrick Brooks (Navy) Mark Walden (Navy)	May 2005	May 2005	Complete.
Parcel E: Coordinate with Water Board for site visit during second quarter, 2005.	26-April-05	Patrick Brooks (Navy)	May 2005		Scheduled for June.
Parcel E: Submit Asbestos Dust Mitigation Plans to BAAQMD 60 days before conducting any removal activities.	22-Feb-05	Patrick Brooks (Navy) Jose Payne (Navy)	June 2005	April 29, 2005	Complete.
Parcel E: Provide criteria for dust monitoring during shoreline removal actions to the BCT.	22-Mar-05	Patrick Brooks (Navy) Ryan Ahlersmeyer (Navy)	Spring/Summer 2005	April 2005	Complete during April RAB and follow up during May RAB.
Parcel E: Explore the possibility of extending terrestrial erosional control measures into the fall until vegetation has taken hold at shoreline removal locations.	22-Mar-05	Patrick Brooks (Navy) Jose Payne (Navy)	Fall 2005	May 2005	Accepted.
Parcel E: Explore possibility of including dissolved metals in water quality parameters measured outside and inside the silt curtain at the shoreline removal areas and compare these measures to baseline levels and aquatic life criteria.	22-Mar-05	Patrick Brooks (Navy) Jose Payne (Navy)	Spring/Summer 2005	May 2005	Accepted.
Parcel F: Schedule Parcel F FS Scoping meeting.	22-Mar-05	Patrick Brooks (Navy)	Spring 2005		Tentatively scheduled for early July.

## **ATTACHMENT B**

### **HUNTERS POINT SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM ACTION ITEMS (Continued)**

Notes:

ACM	Asbestos Containing Materials
BAAQMD	Bay Area Air Quality Management District
DTSC	Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
FS	Feasibility study
NA	Not applicable
Navy	U.S. Department of the Navy
RAB	Restoration advisory board
RAMP	Remedial action monitoring plan
TMSRA	Technical memorandum in support of a ROD amendment
Water Board	San Francisco Regional Water Quality Control Board

**Recent Completed Review Periods  
Document Review Table  
Hunters Point Shipyard**

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
1	E	IR-02 NWC Draft Removal Action Workplan	3/9/2005	4/25/2005	Final scheduled for 5/27/05 submittal	4/27/2005;5/4/2005	5/6/05;5/9/05 (DHS;5/2/05)	4/5/2005	*
2	E	Metal Reef/Metal Slag Draft Work Plan	2/22/2005	4/8/2005	Final completed for 5/16/05	3/31/05(tele); 3/14/05(email); 4/18/05;4/27/05	(DHS; 4/11/05)	3/31/2005	*
3	E	PCB Hotspots Draft Work Plan	2/25/2005	4/11/2005	Final completed 5/17/05	4/12/2005; 5/9/05	4/21/05(DHS; 4/12/05)	3/17/2005	*
4	C	Draft Dry Dock 4 Water Sampling Summary Report, includes Caisson results	3/31/2005	4/30/2005	Final scheduled for 7/15/05 submittal	*	*		*
5	E-2	Draft February 2005 Monthly Gas Monitoring Report	4/4/2005	5/4/2005	Final scheduled for 4/22/05 submittal	5/4/2005	*	*	*
6	C	Follow-on Zero Valent Iron Treatability Study Cost and Performance Evaluation	4/21/2005	n/a	For information purposes only.	n/a	n/a	n/a	n/a
7	E-2	Final February 2005 Monthly Gas Monitoring Report	5/23/2005	n/a	For information purposes only.	n/a	n/a	n/a	n/a
8	E-2	Final December 2004 Monthly Gas Monitoring Report	4/25/2005	n/a	For information purposes only.	n/a	n/a	n/a	n/a
9	E-2	Final January 2005 Monthly Gas Monitoring Report	4/25/2005	n/a	For information purposes only.	n/a	n/a	n/a	n/a
10	E-2	Final PCB Removal Action Memorandum	5/17/2005	n/a	For information purposes only.				



**Upcoming Review Periods  
Document Review Table  
Hunters Point Shipyard**

Item	Parcel	Document Name	Approximate	Expected Date	Notes	Agency Submittal of Comments			
			Submittal Date	for Comments		EPA	DTSC	RWQCB	City of SF
1	E-2	Draft April 2005 Monthly Gas Monitoring Report	5/26/2005	30 days from submittal date	Final scheduled for 7/12/05 submittal				
2	E-2	Final March 2005 Monthly Gas Monitoring Report	6/7/2005	na	For information purposes only.				
3	E	Draft Shoreline Characterization Technical Memorandum	6/14/2005	45 days from submittal date	RTCs scheduled for 9/15/05 submittal				
4	B	RTCs Construction Summary Report (CSR) Addendum (sites not included in CSR I)	6/17/2005	n/a	For information purposes only.				
5	B	Final July to September 2004 Basewide Groundwater Monitoring Report	6/20/2005	na	For information purposes only.				
6	C,D,E	Final July to September 2004 Basewide Groundwater Monitoring Report	6/20/2005	na	For information purposes only.				
7	E-2	Draft May 2005 Monthly Gas Monitoring Report	6/23/2005	30 days from submittal date	Final scheduled for 8/9/05 submittal				
8	B	Draft October to December 2004 Basewide Groundwater Monitoring Report (Annual Report)	6/24/2005	8/8/2005	Final scheduled for 8/19/05 submittal				
9	B	Draft January to March 2005 Basewide Groundwater Monitoring Report	6/30/2005	30 days from submittal date	Final scheduled for 10/4/2005				
10	C	Draft Sequential Aerobic/Anaerobic Treatability Study Report	6/30/2005	45 days from submittal date	Final scheduled for 9/2005				
11	B	Draft January to March 2005 Basewide Groundwater Monitoring Report	7/1/2005	30 days from submittal date	Final planned for 9/1/05 submittal				
12	C,D,E	Draft October to December 2004 Basewide Groundwater Monitoring Report	7/1/2005	30 days from submittal date	Final scheduled for 8/26/05 submittal				
13	E-2	Final April 2005 Monthly Gas Monitoring Report	7/12/2005	na	For information purposes only.				
14	B	Draft IR-07 / IR-18 Soil Gas Investigation Technical Memorandum	7/15/2005	45 days from submittal date	Final scheduled for 9/28/05				
15	C	Final Dry Dock 4 Water Sampling Summary Report, includes Caisson results	7/15/2005	30 days from submittal date	For information purposes only.				
16	D	Draft Final Feasibility Study	7/15/2005	45 days from submittal date	Final scheduled for 9/22/05				
17	E-2	Draft June 2005 Monthly Gas Monitoring Report	7/21/2005	30 days from submittal date	Final scheduled for 9/6/05 submittal				
18	C,D,E	Draft January to March 2005 Basewide Groundwater Monitoring Report	8/9/2005	30 days from submittal date	Final planned for 11/07/05 submittal				
19	E-2	Final May 2005 Monthly Gas Monitoring Report	8/9/2005	30 days from submittal date	For information purposes only.				
20	E-2	Draft July 2005 Monthly Gas Monitoring Report	8/25/2005	30 days from submittal date	Final scheduled for 10/11/05 submittal				

Notes:

n/a - not applicable  
TBD - to be determined

**Ongoing Review Periods  
Document Review Table  
Hunters Point Shipyard**

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
1	E-2	Draft March 2005 Monthly Gas Monitoring Report	4/21/2005	5/24/2005	Final scheduled for 6/7/05 submittal				
2	F	Final Validation Study Report	5/2/2005	na	For information purposes only.				
3	B	Draft July to September 2004 Basewide Groundwater Monitoring Report	5/3/2005	6/2/2005	Final planned for 6/20/05 submittal				
4	C,D,E	Draft July to September 2004 Basewide Groundwater Monitoring Report	5/3/2005	6/2/2005	Final planned for 6/20/05 submittal				
5	D	Final Removal Action Closeout Report	5/13/2005	na	For information purposes only.				
6	B	Final April to June 2004 Basewide Groundwater Monitoring Report	5/31/2005	na	For information purposes only.				
7	C,D,E	Final April to June 2004 Basewide Groundwater Monitoring Report	5/31/2005	na	For information purposes only.				

Notes:

\* - comments deferred to other agency

n/a - not applicable

TBD - to be determined



## Parcel E-2 Landfill Gas Update for May 2005

Hunters Point Shipyard  
BCT Meeting  
May 24, 2005



### Monitoring Locations

- **32 GMPs**
  - 14 Barrier Wall and Landfill Boundary (Fence Line)  
(five passive vents are also monitored)
  - 5 UCSF Compound
  - 13 Crisp Avenue
- **On-site Structures**
  - Groundwater Extraction Well Vaults (25 total: 18 extraction well vaults, 7 electrical vaults)
  - 2 Catch Basins
- **UCSF Compound**
  - Building 830 crawlspace
  - Surface scans at 3 locations

## Parameters Monitored



Item	Units	GMPs	Structures	Surface
Methane	Percent; percent LEL	X	X	X
Background NMOCs	parts per million	X	X	X
NMOCs	parts per million	X	X	X
CO <sub>2</sub>	percent	X	X	X
O <sub>2</sub>	percent	X	X	X
Soil Gas Pressure	inches of water	X		

In addition, temperature and barometric pressure are recorded at the meteorological station

## Summary of Monitoring Results



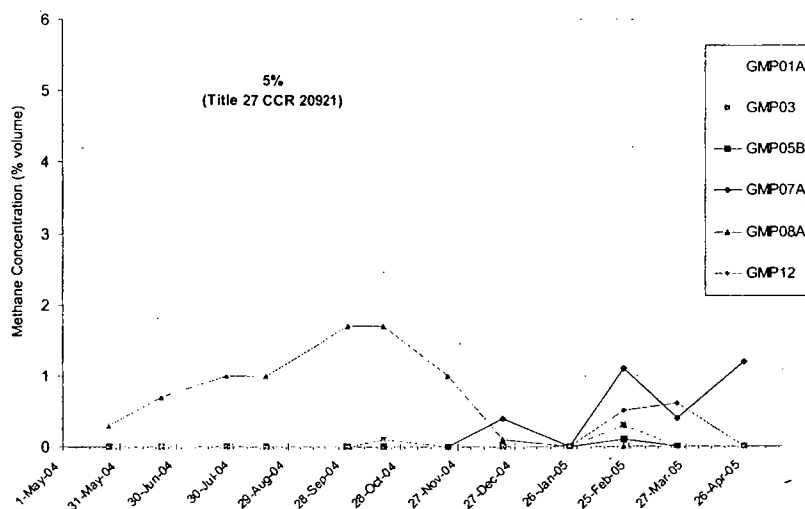
- April 26, 2005, monitoring results indicate all methane levels are below regulatory requirements:
  - below 5% in all GMPs and ambient air locations
  - below 1% (the action level for increased monitoring frequency) in all on-site structures
- Methane was not detected at any Crisp Avenue GMPs or at any UCSF GMPs.
- Methane was detected at only one Fence Line GMP (GMP07A at 1.2%).
- NMOCs were well below action levels (5 ppm at on-site structures and utilities, 500 ppm at GMPs) at all locations.
- Temporary power (via generator) continues to be provided for the control system, pending installation of a new power pole. PG&E continues to review installation plans.

## Monitoring Results – April 2005



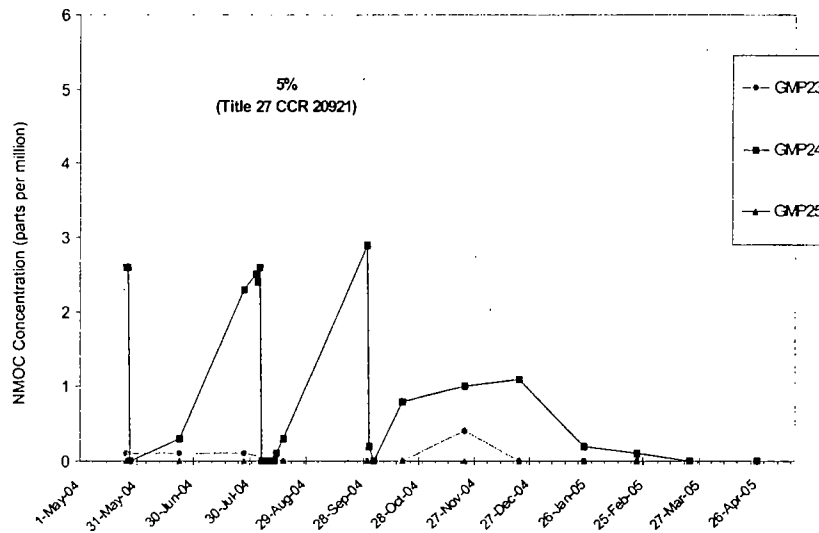
System	Methane	NMOCs	Action
Crisp Ave. GMPs	ND	< 1 ppm	No action
On-site Structures	< 1%	< 1 ppm	No action
UCSF Compound GMPs	ND	< 500 ppm (GMP23=2.2 ppm, GMP24=3.3 ppm)	No action
Building 830	ND	< 1 ppm	No action
Fence Line GMPs	< 2.5% at all GMPs (GMP07A=1.2%)	< 1 ppm	No action
Control System	0–19.1%	< 1 ppm at effluent	Active extraction at PV-02. Passive extraction at PV-01 & PV-03 thru PV-05.

## Methane Concentrations at Fence Line GMPs

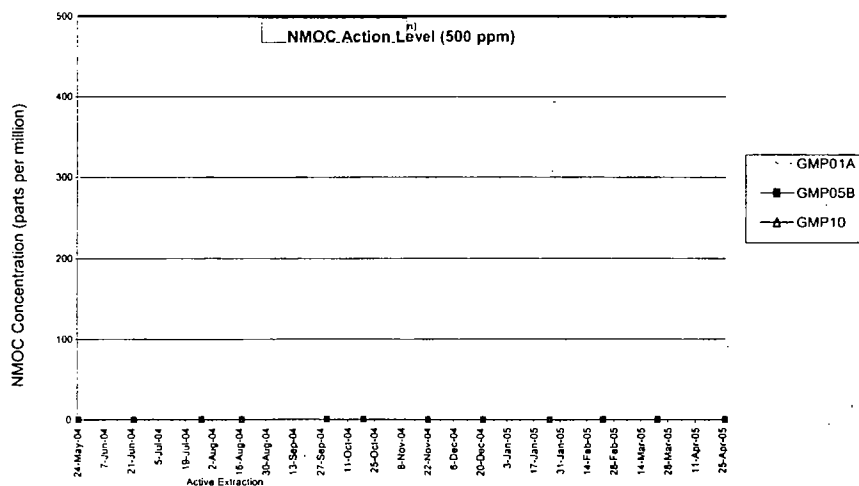


Methane was not detected at GMPs 02A, 04A, 06B, 09A, 10A, and 11A. These GMPs are not plotted for the sake of clarity.

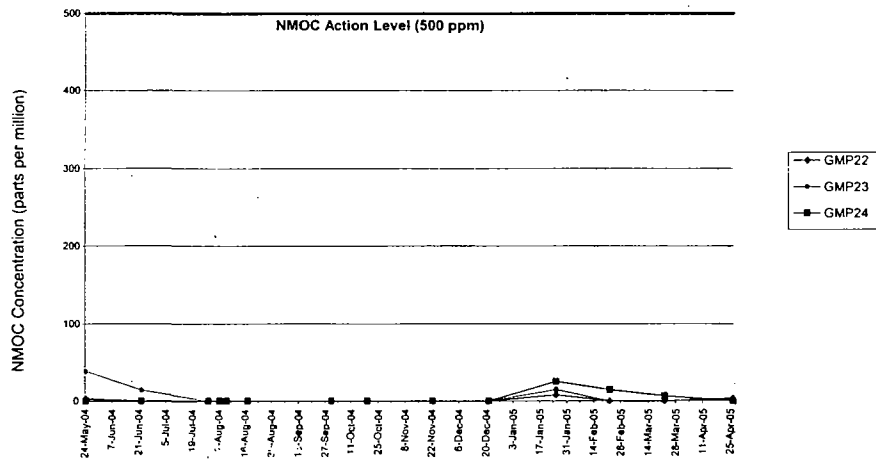
## Methane Concentrations at UCSF GMPs



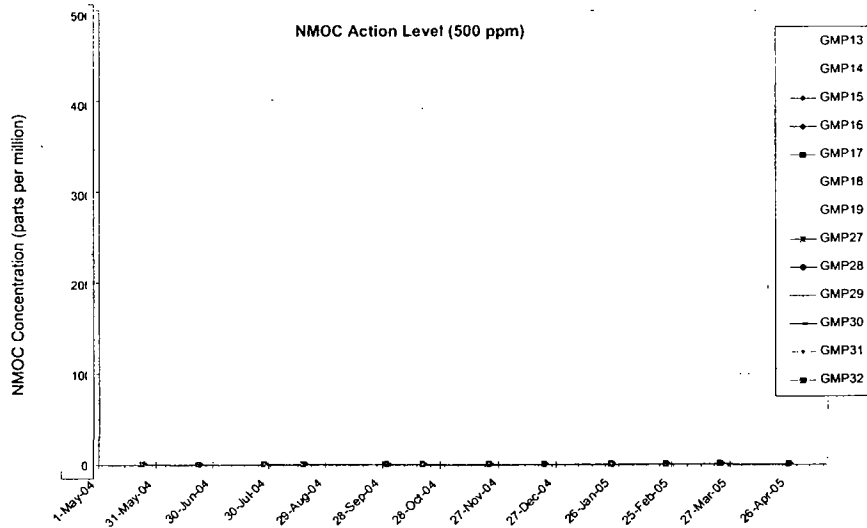
## NMOC Concentrations at Fence Line GMPs



## NMOC Concentrations at UCSF GMPs



## NMOC Concentrations at Crisp Ave. GMPs





# **Time-Critical Removal Actions Update Hunters Point Shipyard**

**BCT Meeting**  
May 24, 2005



## **Presentation Objectives**

- **Discuss Work Plan Modifications**
- **Review Recently Completed Mobilization Work**
- **Discuss Work-in-progress Communication**
- **Provide Updated Timeline**
- **Present Next Steps**



## Work Plan Modifications - MDR and MSA



- Added post-excavation sampling for non-radioactive contaminants.
- Moved water quality sampling location to 20 feet from silt curtain.
- Added sampling for dissolved metals for water column monitoring outside of silt curtain.
- Added preparing a stand-alone Wetlands Mitigation and Monitoring Plan to address wetlands reconstruction.
- Added limited trenching beyond the excavation boundary to verify extent of waste.

## Work Plan Modifications - MDR and MSA



### Added post-excavation sampling for non-radioactive contaminants

- One random sample in each 100' by 100' grid cell on excavation bottom.
- One random sample along each 100' of excavation sidewall.
- Analysis for PCBs, metals, and pesticides (based on characterization data).

## **Work Plan Modifications - MDR and MSA**



**Moved water quality sampling location to 20 feet from silt curtain.**

- Specific location will vary as monitoring point will be adjacent to active work area.

**Added sampling for dissolved metals in water column monitoring outside of silt curtain**

- Sampling for dissolved metals will be performed concurrently with daily radiological sampling.
- Background data will be collected prior to the start of work.
- Results will be compared to NAWQC values or background, whichever is higher.

## **Work Plan Modifications - MDR and MSA**



**Added preparing a stand-alone Wetlands Mitigation and Monitoring Plan to address wetlands reconstruction**

- WMMP content outlined in work plan.
- WMMP will be completed after excavation and backfill of MSA site is finished.
- Restoration in 0.9 acre MSA site will mitigate impacts to 0.6 acres (total) of wetlands within bounds of both MSA and MDR.
- Need for enhancements in adjacent wetlands will be evaluated during WMMP preparation and included as appropriate.

## Work Plan Modifications - MDR and MSA



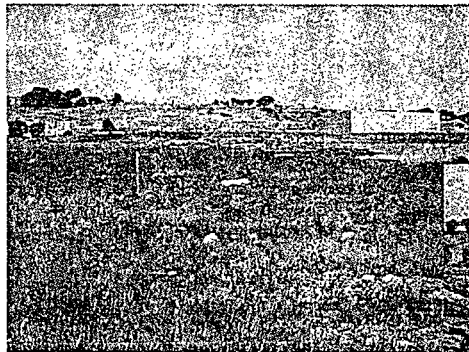
**Added limited trenching beyond the excavation boundary to verify extent of waste**

- One trench per 25 foot “strip” of excavation.
- Visual evaluation for metal in excavated trench material.
- Excavation extended if metal detected in trench material.
- One sample collected per trench.
- Sample analyzed for radiological constituents only if elevated radiological survey results are indicated on material from trench.

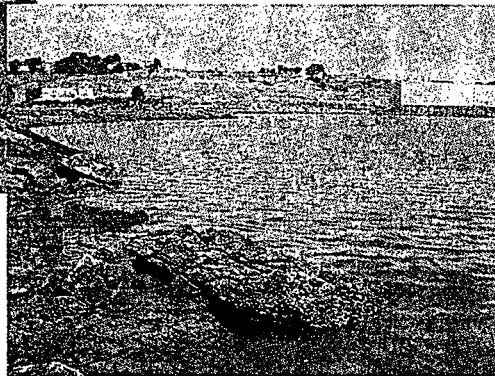
Environmental Survey and Remediation

May 24, 2006

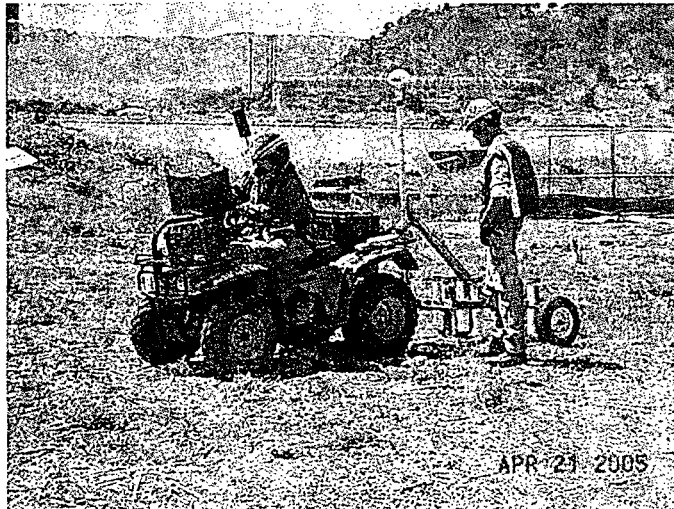
## Recent Mobilization Work - MDR and MSA



MSA Excavation Limits



## Recent Mobilization Work - MDR and MSA



DART Array at MDR

## Work Plan Modifications - PCB Hot Spot



- Expanded pre-excavation analytical parameters
- Expanded post-excavation sampling
- Expanded criteria to extend excavation limits
- Large debris may be sampled for PCBs

## Work Plan Modifications - PCB Hot Spot



### Expanded pre-excavation analytical parameters

- Immunoassay field screening methods will be used to screen for both PCB and TPH in the field.
- PCB field test kits will be chosen to screen for all PCB aroclors.
- TPH field test kits selected to look for petroleum hydrocarbons in the weathered gasoline to motor oil range.
- On-site radiological analysis will also be used to establish the boundary of the excavation.

## Work Plan Modifications - PCB Hot Spot



### Expanded post-excavation sampling

- One random sample in each 50' x 50' grid cell on the excavation bottom.
- One boring within each grid that does not extend below 7.5 feet bgs; sample collected at approximately 8 feet bgs
- One random sample along each 50' of excavation sidewall.
- Field test kits will evaluate PCB and TPH concentrations prior to sending for laboratory analysis.
- Laboratory analysis for PCBs and TPH-total.

## Work Plan Modifications - PCB Hot Spot



### Expanded criteria to extend excavation limits

Final depth of the excavation within each grid and lateral extent will be based on:

- Visual observations during excavation
- Review of historical information regarding the distribution of PCBs, TPH, pesticides, selected metals, sandblast grit and free product
- Analytical data from samples collected during excavation

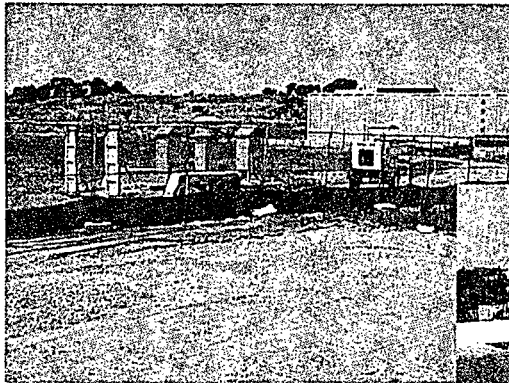
## Work Plan Modifications - PCB Hot Spot



### Large debris may be sampled for PCBs

- Sampling of non-porous debris items will be performed by wipe sampling.
- Sampling of porous debris items will be performed by representative physical sampling.
- Decision to collect samples and frequency of sampling will be based on professional judgment

## Recent Mobilization Work - PCB Hot Spot

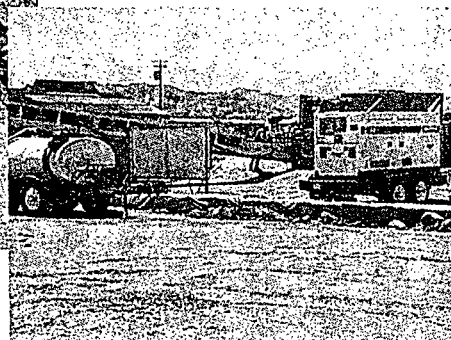
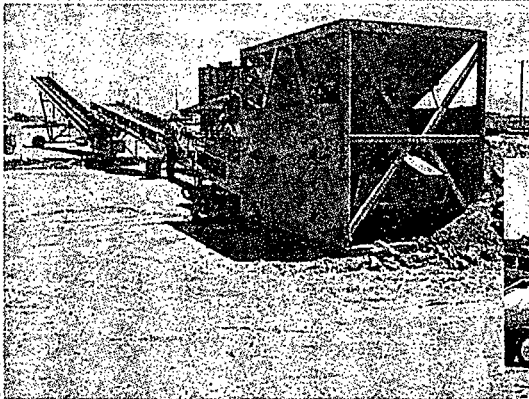


Air monitoring at PCB Hot Spot



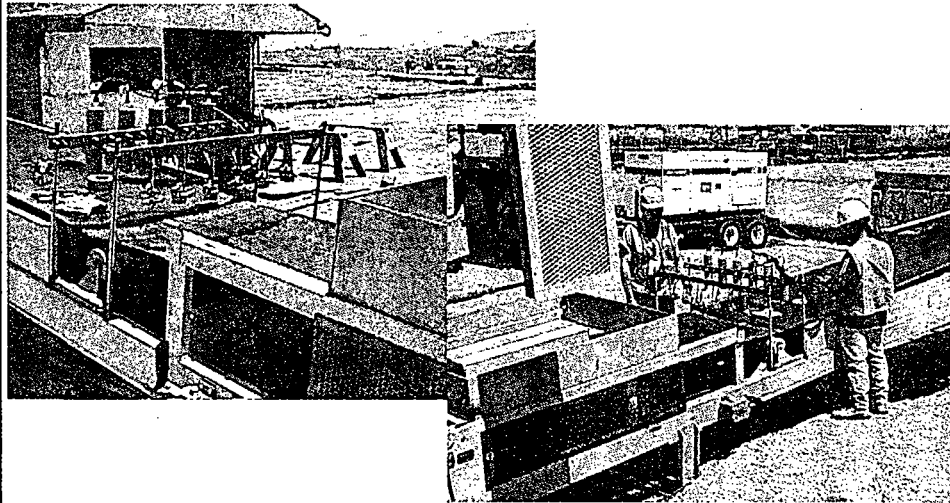
Dust control at PCB Hot Spot

## Recent Mobilization Work - PCB Hot Spot



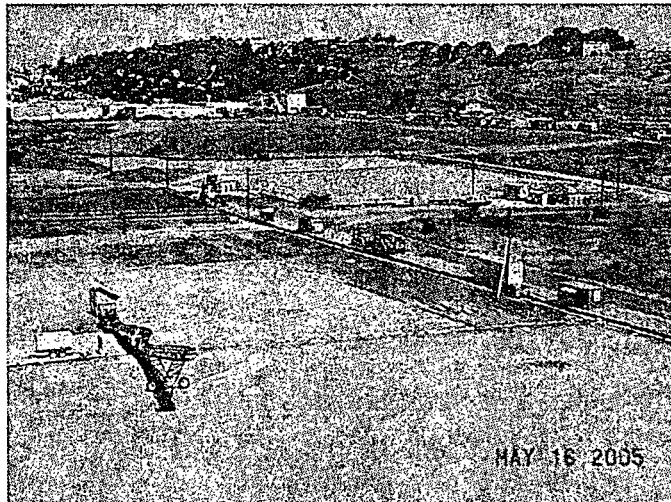
Conveyor system at PCB Hot Spot

## Recent Mobilization Work - PCB Hot Spot



Conveyor system at PCB Hot Spot

## Recent Mobilization Work – PCB Hot Spot & IR-02 NW & Central



Aerial view of PCB Hot Spot and IR-02 NW & C - Stockpile Areas



## Work Plan Modifications - IR-02 NW & Central



- Added post-excavation sampling for non-radioactive contaminants.
- Added segregation and disposal of select non-radiological contaminants.

## Work Plan Modifications - IR-02 NW & Central



### Added post-excavation sampling for non-radioactive contaminants

- One random sample in each 100' by 100' grid cell on excavation bottom.
- One random sample along each 100' of excavation sidewall.
- Analysis for PCBs, metals, SVOCs, TPH-extractable, and pesticides (based on historical site data).

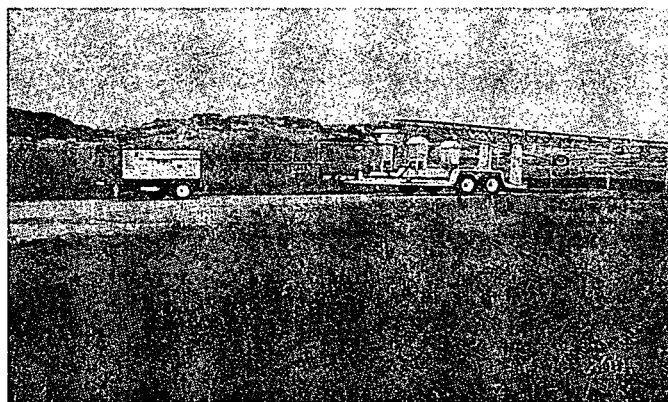
## Work Plan Modifications - IR-02 NW & Central



### Added segregation and disposal of select non-radiological contaminants.

- Segregation and disposal of identified sandblast waste.
- Removal and disposal of metal debris and associated high metals concentrations.
- Segregation and disposal of hydrocarbon stained soil.

## Recent Mobilization Work - IR-02 NW & Central

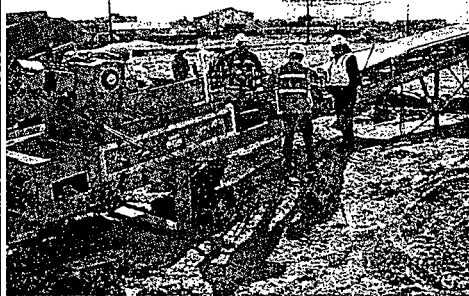


Air sampling equipment in place at IR-02 NW & C

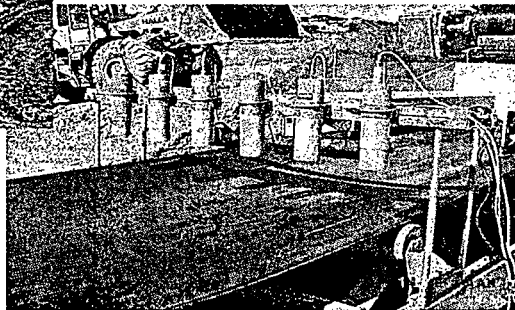
## Recent Mobilization Work - IR-02 NW & Central



Conveyor System at IR-02 NW & C



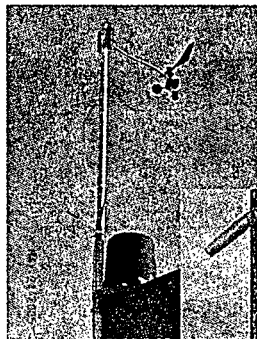
Conveyor System Detectors



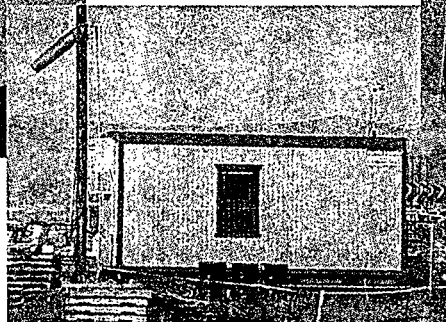
## Recent Mobilization Work



Weather Station



Anemometer



Digital Data Display

## Work-in-progress Communication Strategy



**Navy/Regulatory Kick-off Meeting 10:00 AM June 7**

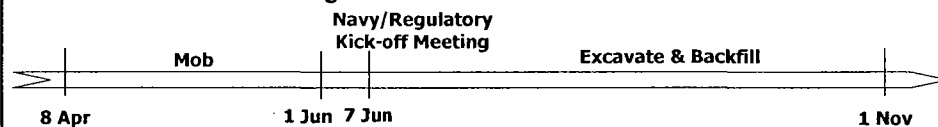
**Establish routine communication strategy**

- Evaluate establishing standing progress review teleconference
- Discuss use of E-size grid maps of TCRA sites to coordinate discussions

## Timeline Parcel E Removal Action Projects



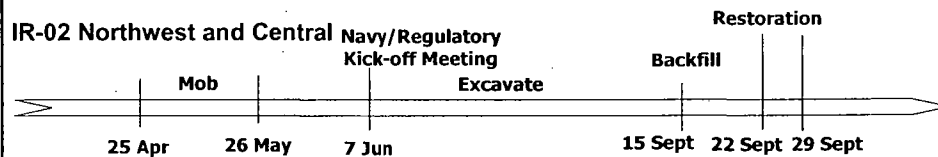
### Metal Debris Reef/Metal Slag Areas



### PCB Hot Spot



### IR-02 Northwest and Central



## Next Steps



- **Issue RTCs and Draft Final work plans**
  - MDR/MSA (May 24)
  - IR-02 Northwest and Central (May 31)
- **Begin field work**
  - PCB Hot Spot (May 24)
  - IR-02 Northwest and Central (May 31)
  - MDR/MSA (June 1)
- **Navy/Regulatory Kick-off Meeting (June 7)**



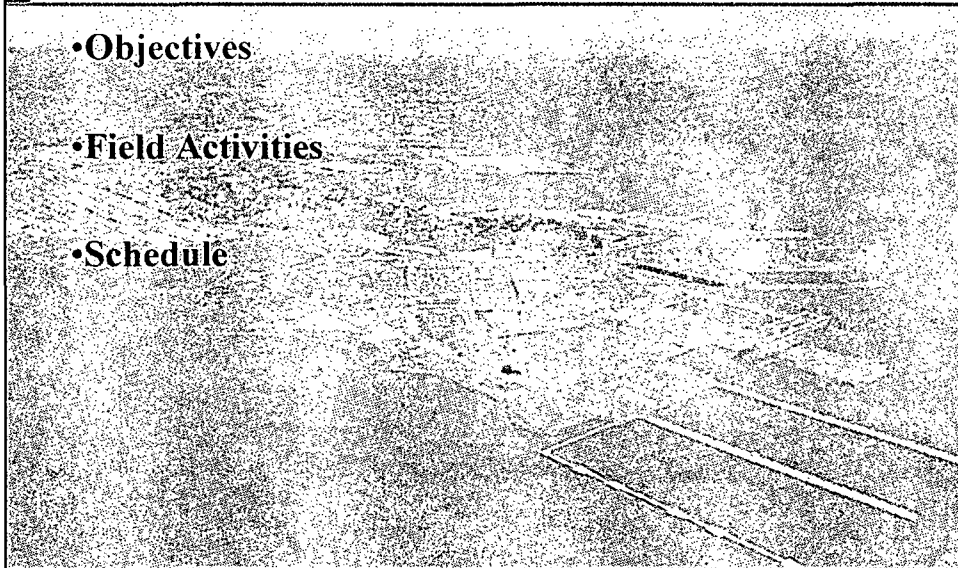
# RU-C5 Contaminant Delineation

BCT Meeting  
24 May 2005

## Overview



- Objectives
- Field Activities
- Schedule



## Objectives



- Assess the lateral and vertical extent of VOCs in soil gas and shallow groundwater along the boundary between Parcels B and C near RU-C5
- Delineate the extent of VOCs into Parcel B if contamination crosses boundary
- Assess lateral extent of DNAPL through the collection of deeper A-aquifer groundwater

## Field Activities



- Phase A
  - Passive soil gas samples (25 locations)
- Phase B
  - Passive soil gas samples (25 locations)
  - More detail
- CPT @ 5 locations
- Active soil gas sampling
  - 10 locations

## Field Activities



### – HydroPunch sampling

- Approximately 40 locations
- Approximately 10 locations with multiple depths
- Deeper A-aquifer samples for DNAPL presence

### – Groundwater Sampling

- Five wells appropriately located
- In addition to the BGMP wells
  - IR06MW34A, 46A, 37B, 38B, 39A

## Schedule



- Draft workplan -- June 3
- Start Phase A sampling -- 17 August (earlier???)



